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set hi ;set hi
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? begin 5,6,55,154,155,156,312,399,biotech,biosci
>>>      135 is unauthorized
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Set Items Description

? s (re (n) circulat? or re-circulat?) (5n) oxygenated

Processed 20 of 34 files ...

Processing

Completed processing all files

900918 RE

5248041 CIRCULAT?

2202 RE(N)CIRCULAT?

92 RE-CIRCULAT?

60161 OXYGENATED

S1 10 (RE (N) CIRCULAT? OR RE-CIRCULAT?) (5N) OXYGENATED

? rd s1

...completed examining records

S2 8 RD S1 (unique items)

? d s2/3/1-8

Display 2/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0014593428 BIOSIS NO.: 200300562147

Perfusion apparatus and methods for pharmaceutical delivery

AUTHOR: Tryggvason Karl (Reprint); Lukkarinen Olavi; Heikkila Pirkko;

Parpala Teija

AUTHOR ADDRESS: Djureholm, Sweden\*\*Sweden

JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1275 (4): Oct. 28, 2003 2003

MEDIUM: e-file

PATENT NUMBER: US 6638264 PATENT DATE GRANTED: October 28, 2003 20031028

PATENT CLASSIFICATION: 604-500 PATENT ASSIGNEE: Biostratum Incorporation,  
Durham, NC, USA PATENT COUNTRY: USA

ISSN: 0098-1133 (ISSN print)

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 2/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0005133901 BIOSIS NO.: 198681097792

XENO AND AUTO-PERFUSION OF RABBIT KIDNEY MACHINE PERFUSION WITH BLOOD AT 37  
CELSIUS

AUTHOR: JORGENSEN K A (Reprint); KEMP E; BARFORT P; STARKLINT H; LARSEN S;

JACOBSEN I A; DIEPERINK H; FRIFELT J J; MUNK-ANDERSEN G

AUTHOR ADDRESS: RULKEDALEN 10, DK-5260 ODENSE S, DENMARK\*\*DENMARK

JOURNAL: Acta Pathologica Microbiologica et Immunologica Scandinavica

Section A Pathology 93 (6): p305-310 1985

ISSN: 0108-0164

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

- end of record -

?

Display 2/3/3 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2004 The Dialog Corp. All rts. reserv.

05125550 86126159 PMID: 3911730

Xeno- and auto-perfusion of rabbit kidney. Machine perfusion with blood at 37 degrees C.

Jorgensen K A; Kemp E; Barfort P; Starklint H; Larsen S; Jacobsen I A; Dieperink H; Frifelt J J; Munk-Andersen G

Acta pathologica, microbiologica, et immunologica Scandinavica. Section A, Pathology (DENMARK) Nov 1985, 93 (6) p305-10, ISSN 0108-0164

Journal Code: 8206622

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

- end of record -

?

Display 2/3/4 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2004 Inst for Sci Info. All rts. reserv.

09857790 Genuine Article#: 459ER No. References: 17

Title: A novel column fermentor having a wetted-wall of perfluorocarbon as an oxygen carrier

Author(s): Takeshi G (REPRINT) ; Gaku M; Ken-Ichi K

Corporate Source: Akita Univ, Dept Mat Proc Engr & Appl Chem Environm, 1-1

Tegata/Akita 0108502//Japan/ (REPRINT); Akita Univ, Dept Mat Proc Engr &

Appl Chem Environm, Akita 0108502//Japan/

Journal: BIOCHEMICAL ENGINEERING JOURNAL, 2001, V8, N2 (SEP), P165-169

ISSN: 1369-703X Publication date: 20010900

Publisher: ELSEVIER SCIENCE SA, PO BOX 564, 1001 LAUSANNE, SWITZERLAND

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

?

Display 2/3/5 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2004 Elsevier Science B.V. All rts. reserv.

11255815 EMBASE No: 2001271499

A novel column fermentor having a wetted-wall of perfluorocarbon as an oxygen carrier

Gotoh T.; Mochizuki G.; Kikuchi K.-I.

T. Gotoh, Dept. of Mat. Process Engineering, Akita University, 1-1

Tegata, Akita 010-8502 Japan

AUTHOR EMAIL: tgotoh@ac5.as.akita-u.ac.jp

Biochemical Engineering Journal ( BIOCHEM. ENG. J. ) (Netherlands) 2001

, 8/2 (165-169)

CODEN: BEJOF ISSN: 1369-703X

PUBLISHER ITEM IDENTIFIER: S1369703X01001103

DOCUMENT TYPE: Journal ; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 17

- end of record -

?

Display 2/3/6 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2004 Elsevier Science B.V. All rts. reserv.

03266629 EMBASE No: 1986064206

Xeno- and auto-perfusion of rabbit kidney. Machine perfusion with blood at 37degreeC

Jorgensen K.A.; Kemp E.; Barfort P.; et al.

Laboratory of Nephropathology, Odense University Hospital, DK-5260 Odense S Denmark

Acta Pathologica Microbiologica et Immunologica Scandinavica - Section A  
Pathology ( ACTA PATHOL. MICROBIOL. IMMUNOL. SCAND. SECT. A PATHOL. ) ( Denmark) 1985, 93/6 (305-310)  
CODEN: ACPAD  
DOCUMENT TYPE: Journal  
LANGUAGE: ENGLISH

- end of record -

?

Display 2/3/7 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0299279 DBR Accession No.: 2003-01063 PATENT  
Effective delivery of viral vector gene therapy pharmaceuticals to a mammalian organ, especially mammalian lung tissue, by contacting the organ with the pharmaceutical in **re-circulating, oxygenated** perfusate solution - adeno virus vector-mediated beta-galactosidase gene transfer and expression in pig organ for lung disorder gene therapy  
AUTHOR: TRYGGVASON K; PARPALA-SPARMAN T; LUKKARINEN O; KORTTEINEN P  
PATENT ASSIGNEE: TRYGGVASON K; PARPALA-SPARMAN T; LUKKARINEN O; KORTTEINEN P 2002  
PATENT NUMBER: US 20020062121 PATENT DATE: 20020523 WPI ACCESSION NO.: 2002-607104 (200265)  
PRIORITY APPLIC. NO.: US 4161 APPLIC. DATE: 20011115  
NATIONAL APPLIC. NO.: US 4161 APPLIC. DATE: 20011115  
LANGUAGE: English

- end of record -

?

Display 2/3/8 (Item 1 from file: 50)  
DIALOG(R)File 50:CAB Abstracts  
(c) 2004 CAB International. All rts. reserv.

01879378 CAB Accession Number: 872431933  
The fertilizer value of cattle slurries treated aerobically or anaerobically.  
Original Title: Valore fertilizzante di effluenti bovini trattati con procedimento aerobico e anaerobico.  
Vigano, P.; Bozza, E.  
Istituto di Chimica Agraria, Università degli Studi, Milan, Italy.  
Genio Rurale vol. 49 (12): p.49-53  
Publication Year: 1986  
ISSN: 0016-6863 --  
Language: Italian  
Document Type: Journal article

- end of display -

? d s2/9/6

Display 2/9/6 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2004 Elsevier Science B.V. All rts. reserv.

03266629 EMBASE No: 1986064206  
Xeno- and auto-perfusion of rabbit kidney. Machine perfusion with blood at 37degreeC  
Jorgensen K.A.; Kemp E.; Barfort P.; et al.  
Laboratory of Nephropathology, Odense University Hospital, DK-5260 Odense S Denmark  
Acta Pathologica Microbiologica et Immunologica Scandinavica - Section A  
Pathology ( ACTA PATHOL. MICROBIOL. IMMUNOL. SCAND. SECT. A PATHOL. ) ( Denmark) 1985, 93/6 (305-310)

CODEN: ACPAD  
DOCUMENT TYPE: Journal  
LANGUAGE: ENGLISH

Five rabbit kidneys were perfused with human blood and another five with their own blood in a **re-circulating oxygenated** system at 37degreeC. The flow decreased to 2 ml/min. within 30 min. in all

-more-

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Display 2/9/6 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2004 Elsevier Science B.V. All rts. reserv.  
xenoperfusions, while none of the autoperfused had decreased to this level by 60 min. Endothelial damage, exudation, and IgG deposits along the basement membrane of the glomerular capillaries were the discriminative features of the xenoperfusion. In these experiments, we were unable to demonstrate any major role of platelets in the process leading to decreased blood flow.

DRUG DESCRIPTORS:

immunoglobulin g

MEDICAL DESCRIPTORS:

\*glomerulus; \*kidney perfusion

blood flow; endothelium; histopathology; immunofluorescence; rabbit; thrombocyte; priority journal; histology; cytology; etiology; animal experiment; animal cell; nonhuman; kidney; blood and hemopoietic system  
MEDICAL TERMS (UNCONTROLLED): autoperfusion; xenoperfusion

CAS REGISTRY NO.: 97794-27-9 (immunoglobulin g)

SECTION HEADINGS:

-more-

? s gene (n) therap? and perfusate (5n) oxygenated

Processing

Processed 10 of 34 files ...

Processing

Processed 20 of 34 files ...

Completed processing all files

6766278 GENE

10924225 THERAP?

246822 GENE(N)THERAP?

52906 PERFUSATE

60161 OXYGENATED

226 PERFUSATE(5N)OXYGENATED

S3 3 GENE (N) THERAP? AND PERFUSATE (5N) OXYGENATED

? d s3/3/1-3

Display 3/3/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2004 American Chemical Society. All rts. reserv.

126065487 CA: 126(5)65487d PATENT

Method for delivery of viral vector gene therapy pharmaceuticals

INVENTOR(AUTHOR): Tryggvason, Karl; Lukkarinen, Olavi; Heikkilae, Pirkko;

Parpala, Teija

LOCATION: Finland

ASSIGNEE: Tryggvason, Karl; Lukkarinen, Olavi; Heikkilae, Pirkko;

Parpala, Teija

PATENT: PCT International ; WO 9636363 A1 DATE: 19961121

APPLICATION: WO 96IB463 (19960516) \*US 442189 (19950516)

PAGES: 28 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: A61K-048/00A;

C12N-015/86B DESIGNATED COUNTRIES: AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LT; LU; LV; MD; MG; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ;

TM; TT DESIGNATED REGIONAL: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT  
; LU; MC; NL; PT; SE

- end of record -

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Display 3/3/2 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0299279 DBR Accession No.: 2003-01063 PATENT  
Effective delivery of viral vector **gene therapy** pharmaceuticals  
to a mammalian organ, especially mammalian lung tissue, by contacting  
the organ with the pharmaceutical in re-circulating, **oxygenated**  
**perfusate** solution - adeno virus vector-mediated  
beta-galactosidase gene transfer and expression in pig organ for lung  
disorder **gene therapy**  
AUTHOR: TRYGGVASON K; PARPALA-SPARMAN T; LUKKARINEN O; KORTTEINEN P  
PATENT ASSIGNEE: TRYGGVASON K; PARPALA-SPARMAN T; LUKKARINEN O;  
KORTTEINEN P 2002  
PATENT NUMBER: US 20020062121 PATENT DATE: 20020523 WPI ACCESSION NO.:  
2002-607104 (200265)  
PRIORITY APPLIC. NO.: US 4161 APPLIC. DATE: 20011115  
NATIONAL APPLIC. NO.: US 4161 APPLIC. DATE: 20011115  
LANGUAGE: English

- end of record -

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Display 3/3/3 (Item 2 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0206339 DBR Accession No.: 97-01460 PATENT  
New viral vector **\*\*\*gene\*\*\*** **\*\*\*therapy\*\*\*** delivery method - new virus- e.g.  
adeno virus vector-mediated gene transfer method and gene expression in  
mammal kidney, liver, mamma, spleen, lung and blood vessel for ex vivo  
and in vivo **gene therapy**  
AUTHOR: Tryggvason K; Lukkarienen O; Heikkila P; Parpala T  
CORPORATE SOURCE: Oulu, Finland.  
PATENT ASSIGNEE: Tryggvason K; Lukkarienen O; Heikkila P; Parpala T 1996  
PATENT NUMBER: WO 9636363 PATENT DATE: 961121 WPI ACCESSION NO.:  
97-020793 (9702)  
PRIORITY APPLIC. NO.: US 442189 APPLIC. DATE: 950516  
NATIONAL APPLIC. NO.: WO 96IB463 APPLIC. DATE: 960516  
LANGUAGE: English

- end of display -

? e au=tryggvason, karl

Ref	Items	Index-term
E1	1	AU=TRYGGVASON, J.
E2	53	AU=TRYGGVASON, K.
E3	265	*AU=TRYGGVASON, KARL
E4	1	AU=TRYGGVASON, KARL<CRF RID="C1">
E5	8	AU=TRYGGVASON, KRISTIAN
E6	1	AU=TRYGGVASON, KRISTJAN
E7	1	AU=TRYGGVASON, N.
E8	1	AU=TRYGGVASON, O. K.
E9	1	AU=TRYGGVASON, RETAR
E10	1	AU=TRYGGVASON, S.
E11	2	AU=TRYGGVASON, T.
E12	5	AU=TRYGGVASSON K

Enter P or PAGE for more

? e au=tryggvason k

Ref	Items	Index-term
E1	2	AU=TRYGGVASON H K
E2	1	AU=TRYGGVASON J
E3	1107	*AU=TRYGGVASON K
E4	1	AU=TRYGGVASON K L
E5	335	AU=TRYGGVASON K.
E6	1	AU=TRYGGVASON KARI
E7	455	AU=TRYGGVASON KARL
E8	2	AU=TRYGGVASON KARY
E9	10	AU=TRYGGVASON KRISTIAN
E10	1	AU=TRYGGVASON KRISTJAN
E11	1	AU=TRYGGVASON R
E12	7	AU=TRYGGVASON S

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? e au=lukkarinen, olavi

Ref	Items	Index-term
E1	1	AU=LUKKARINEN, MIKKO
E2	23	AU=LUKKARINEN, O.
E3	16	*AU=LUKKARINEN, OLAVI
E4	1	AU=LUKKARINEN, OLAVI A
E5	2	AU=LUKKARINEN, PEKKA
E6	16	AU=LUKKARINEN, S.
E7	1	AU=LUKKARINEN, SAKARI
E8	4	AU=LUKKARINEN, T.
E9	1	AU=LUKKARINEN, T. ET AL
E10	1	AU=LUKKARINEN, TIMO
E11	11	AU=LUKKARINEN, TOIMI
E12	1	AU=LUKKARINEN, TOIMI EMIL

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? e au=lukkarinen olavi

Ref	Items	Index-term
E1	6	AU=LUKKARINEN O.A.
E2	6	AU=LUKKARINEN OA
E3	76	*AU=LUKKARINEN OLAVI
E4	9	AU=LUKKARINEN S
E5	5	AU=LUKKARINEN S.
E6	4	AU=LUKKARINEN SAKARI
E7	3	AU=LUKKARINEN T
E8	1	AU=LUKKARINEN TS
E9	4	AU=LUKKARINEN U
E10	2	AU=LUKKARINEN U.
E11	2	AU=LUKKARINEN ULLA
E12	3	AU=LUKKARINEN, A

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S4 76 AU='LUKKARINEN OLAVI'

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76 S4

60161 OXYGENATED

S5 2 S4 AND OXYGENATED

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Display 5/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0014593428 BIOSIS NO.: 200300562147

Perfusion apparatus and methods for pharmaceutical delivery  
AUTHOR: Tryggvason Karl (Reprint); **Lukkarinen Olavi**; Heikkila Pirkko;  
Parpala Teija  
AUTHOR ADDRESS: Djureholm, Sweden\*\*Sweden  
JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1275 (4): Oct. 28, 2003 2003  
MEDIUM: e-file  
PATENT NUMBER: US 6638264 PATENT DATE GRANTED: October 28, 2003 20031028  
PATENT CLASSIFICATION: 604-500 PATENT ASSIGNEE: Biostratum Incorporation,  
Durham, NC, USA PATENT COUNTRY: USA  
ISSN: 0098-1133 \_(ISSN print)  
DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

?

Display 5/3/2 (Item 1 from file: 55)  
DIALOG(R)File 55:Biosis Previews(R)  
(c) 2004 BIOSIS. All rts. reserv.

0014593428 BIOSIS NO.: 200300562147  
Perfusion apparatus and methods for pharmaceutical delivery  
AUTHOR: Tryggvason Karl (Reprint); **Lukkarinen Olavi**; Heikkila Pirkko;  
Parpala Teija  
AUTHOR ADDRESS: Djureholm, Sweden\*\*Sweden  
JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1275 (4): Oct. 28, 2003 2003  
MEDIUM: e-file  
PATENT NUMBER: US 6638264 PATENT DATE GRANTED: October 28, 2003 20031028  
PATENT CLASSIFICATION: 604-500 PATENT ASSIGNEE: Biostratum Incorporation,  
Durham, NC, USA PATENT COUNTRY: USA  
ISSN: 0098-1133 \_(ISSN print)  
DOCUMENT TYPE: Patent  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of display -

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